CLAIMS

Having fully described my invention I claim:

1. (Currently amended)A Computer Program Operation Interface containing:

a molded plastic base with a generally oval shaped horizontal base platform intended to interface with a desk top work surface,

said base having a vertical tab rising up from one end of the horizontal base platform at a 90 degree angle,

said base having a vertical pillar rising up from the horizontal base platform at a 90 degree angle and located approximately in the center of the horizontal base platform having a threaded hole in the top of the pillar,

said base having an orifice in in the horizontal base platform and in the vertical tab configured to receive an industry standard X-Y Rollerball sensor with its appurtenances,

said base containing a vertical apron around the perimeter over which the covering shell rests and into which is molded four receptors on each of the long sides of the apron configured to receive four industry standard on/off microswitches located directly under the finger pads molded into the covering shell, and

said base having a U shaped slot in the base apron at the end opposite the vertical tab through which the serial patch cord exits the base.

2. (Currently Amended)A Computer Program Operation Interface compromising:

A molded plastic covering shell which fits over the vertical tab and shortwall and onto the stepledge around the perimeter of the base and is anchored in place by a single assembling screw,

said covering shell to have four finger pads molded into one side or the other to activate the industry standard on/off microswitches in the appropriate side of the base platform being hinged at the top,

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said covering shell to have a U shaped slot in the end oppos-
ite the vertical tab to allow exit of the serial patch
cord from the base,

3. (Currently amended)A Computer Program Operation Interface
according to claim one containing six switch activators:
one said activator being an X-Y rollerball sensor located
in the orifice provided in the vertical tab to be operated
by the thumb and to operate for example the horizontal and
vertical scroll feature of the program,
another said actuator being an X-Y rollerball sensor located
in the orifice provided in the horizontal base platform
to be operated by the moving of the wrist and to operate
for example the positioning of the cursor, and
four industry standard on/off microswitches installed in the
receptors molded into the sides of the shortwall and loc-
ated directly under the finger pads molded into the appro-
priate side of the covering shell and activated by pressure
from the fingers, and
all six of these switch actuators wired into an industry
standard wiring harness and serial patch cord.

4. (Currently Amended)A Computer Program Operation Interface
accompanied by a driver program and operational software that
is programable and written in the python language to allow the
operation of each actuator switch to be programed specif-
ically to the needs of the user and to make the device
compiaible with all hardware and software programs.

5. (Currently Amended)A Computer Program Operation Interface
according to claim 2 comprising:
a shape to be precisely determined by consulting with anatom-
ical experts familiar with cause and prevention of carpal
tunnel syndrome,
said shape to be generally egg-shaped to fit comfortable into
the palm cavity of a relaxed hand in the natural position,
said shape to provide support for the entire surface of the
inside of the palm and fingers, and
said shape to have a textured surface to provide ventilation
for the palm and a sure grip on the device by the user.

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(Currently Amended)A Computer Program Operation Interface
which allows the full and optimum function of the hand of the
operator with:

the thumb operating the X-Y rollerball sensor located in the
vertical tab actuating for example the horizontal and
vertical scroll function of the program,

the lateral movement of the wrist actuating the X-Y rollerball
sensor located in the horizontal base platform actuating
for example the cursor location function of the program,
and

each of the four fingers operating one of the four individual
finger pads molded in the side of the covering shell and
activating one of the four on/off microswitches located
under the finger pads performing a specified program
operation thus allowing all six switches the be manipulated
independently and simultaneously insuring optimum use of
the operator's hand.

7. (Currently Amended)A Computer Program Operation Interface
having two X-Y rollerball sensors and four on/off microswit-
ches strategically located to allow all six switches to be
manipulated independently and simultaneously by the thumb,
four fingers, and a slight lateral movement of the wrist
providing optimum input capability to better meet the needs
of ever more complex computer programs and games.

8. (Currently Amended)A Computer Program Operation Interface
comprising a molded plastic covering shell of claim 2 which
is generally egg-shaped fitting into and completely filling
the palm cavity of a relaxed hand in the natural position
completely supporting the inside surface of the palm and
fingers eliminating the need for the operator to extend his
fingers into an unnatural position completely eliminating
unnatural stress on the muscles and tendons of the hand and
forearm.

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